



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010568
CERTIFICATION DATE: October 11, 2013
DATE RECERTIFICATION DUE: April 9, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

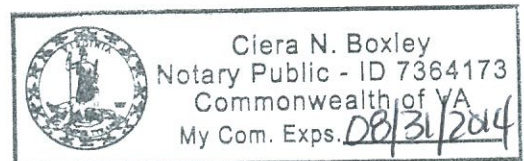
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4th day of
November, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 10/15/2013

mm B

NK

Instrument Serial Number: 010568 **As of 15-Oct-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
11-Oct-13	11-Oct-13	MMB (26417)	REPLACED PRINTER. CALIBRATED AND CERTIFIED.
30-Aug-13	30-Aug-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
23-May-13	23-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
29-Apr-13	29-Apr-13	HMS (18910)	CERTIFIED
15-Mar-13	15-Mar-13	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
14-Mar-13	14-Mar-13	DBH (21250)	ADJUSTED AND TESTED SET SOLENOID, CERTIFIED
30-Jan-13	20-Sep-12	DBH (21250)	REPLACED DRY GAS STANDARD.
18-Dec-12	20-Sep-12	TLN (25387)	REPLACED DRY GAS STANDARD.
20-Sep-12	20-Sep-12	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
19-Apr-12	04-Apr-12	HMS (18910)	REPLACED DRY GAS STANDARD.
04-Apr-12	04-Apr-12	DBH (21250)	CERTIFIED.
21-Feb-12	21-Nov-11	DBH (21250)	REPLACED PRINTER RIBBON. REPLACED DRY GAS STANDARD.
21-Nov-11	21-Nov-11	HMS (18910)	CERTIFIED
19-Oct-11	19-Oct-11	DBH (21250)	CERTIFIED
07-Sep-11	07-Sep-11	HMS (18910)	CERTIFIED
24-Feb-10	24-Feb-10	DBH (21250)	CALIBRATED AND CERTIFIED.
24-Nov-09	27-Aug-09	DBH (21250)	REPLACED DRY GAS STANDARD
27-Aug-09	27-Aug-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED.
16-Apr-09	16-Apr-09	DBH (21250)	CALIBRATED AND CERTIFIED.
14-Apr-09	14-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
17-Feb-09	17-Feb-09	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

mmb
mlk

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010568 Worksheet Start Date 10/11/2013
Location Prince William Garfield PD
Address 15948 Donald Curtis Dr Woodbridge VA 22191
DFS Technician Michelle Billeter License No. 26417
☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Old serial no.	New serial no.	Supplies
E-Seek			Mouthpieces
Keyboard			Certificates of Analysis
Printer	5ITCEH49456	3KKCEA36642	Operator Worksheet
UPS			Other:

Maintenance (if any)
Replaced Printer.

Comments (if any)

Instrument Serial Number 010568

Certification Date

10/11/13

mmB
102413

Instrument Barometer (mm HG) 758

Reference Barometer (mm HG)

760

Reference Barometer(RB)Serial # 009111

RB Calibration Due

5/23/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.249	0.241	0.256	0.248	
Precision		sample min	sample max		
0.003		0.245	0.248	0.246	
				0.245	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.150	0.145	0.154	0.147	
Precision		sample min	sample max		
0.001		0.146	0.147	0.147	
				0.146	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.080	0.077	0.083	0.078	
Precision		sample min	sample max		
0.001		0.077	0.078	0.077	
				0.077	

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	0.019	
Precision		sample min	sample max		
0		0.019	0.019	0.019	
				0.019	

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-17

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.100	0.097	0.103	0.097	
Precision		sample min	sample max		
0		0.097	0.097	0.097	
				0.097	

DFS Technician

Michelle Bullock

Date

10/15/13

10/24/13
mmB

Issuing Analyst

Melissa Kennedy

Date

10/19/13

10/25/13
mmB

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

DFS Document 250-F113

Revision 6

Page 2 of 2

mmB

MLL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010568 Test Number: 1958

Test Date: 10/11/2013 Test Time: 11:14 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-01 Exp Date: 04/01/2014

Tank Pressure: 835 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	11:15
CAL	0.100	11:15

Test Status: Success

Calibration CRC: 55B4BD57

replaced printer and reprinted

mmB 10/11/13

MMB

MSL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010568 Test Number: 1958

Test Date: 10/11/2013 Test Time: 11:14 EDT

Dry Gas Target: 0.100

Lot Number: 0651210013-01 Exp Date: 04/01/2014

Tank Pressure: 835 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	11:15
CAL	0.100	11:15

Test Status: *Success*

Calibration CRC: 55B4BD57

mmB

msk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 1959
Test Date: 10/11/2013 Test Time: 11:30 EDT

Technician Initials: MMB

Dry Gas Target: 0.249

Lot Number: 0651225015-02 Exp Date: 04/01/2014

Tank Pressure: 615 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:30
BLK	0.000	11:31
CHK	0.248	11:32
BLK	0.000	11:33
CHK	0.246	11:34
BLK	0.000	11:35
CHK	0.245	11:36
BLK	0.000	11:38

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

MMB

Ask

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 1960
Test Date: 10/11/2013 Test Time: 11:40 EDT

Technician Initials: MMB

Dry Gas Target: 0.150

Lot Number: 0651215014-06 Exp Date: 04/01/2014

Tank Pressure: 100 psi Barometric Pressure: 758 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:40
BLK	0.000	11:41
CHK	0.147	11:42
BLK	0.000	11:43
CHK	0.147	11:44
BLK	0.000	11:45
CHK	0.146	11:46
BLK	0.000	11:47

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

MMB
pdk

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 1961
Test Date: 10/11/2013 Test Time: 11:49 EDT

Technician Initials: MMB

Dry Gas Target: 0.080

Lot Number: 0651208012-06 Exp Date: 04/01/2014

Tank Pressure: 139 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:49
BLK	0.000	11:50
CHK	0.078	11:51
BLK	0.000	11:52
CHK	0.077	11:53
BLK	0.000	11:54
CHK	0.077	11:55
BLK	0.000	11:56

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

MMB

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 1962
Test Date: 10/11/2013 Test Time: 11:58 EDT

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0651202011-07 Exp Date: 04/01/2014
Tank Pressure: 227 psi Barometric Pressure: 758 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:58
BLK	0.000	11:59
CHK	0.019	12:00
BLK	0.000	12:01
CHK	0.019	12:02
BLK	0.000	12:03
CHK	0.019	12:04
BLK	0.000	12:05

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

MMB
NXX

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010568 Test Number: 1963

Test Date: 10/11/2013 Test Time: 12:00 EDT

Dry Gas Target: 0.299

Lot Number: AG322702-03 Exp Date: 08/15/2015

Tank Pressure: 262 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:09
CHK	0.291	12:09
BLK	0.000	12:11
CHK	0.291	12:12
BLK	0.000	12:13
CHK	0.291	12:14

Test Status: *Success*

Calibration CRC: 55B4BD57

mmB

hsk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010568 Test Number: 1964

Test Date: 10/11/2013 Test Time: 12:19 EDT

Dry Gas Target: 0.100

Lot Number: AG226201-17 Exp Date: 09/18/2014

Tank Pressure: 776 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:20
CHK	0.097	12:20
BLK	0.000	12:22
CHK	0.097	12:23
BLK	0.000	12:24
CHK	0.097	12:25

Test Status: *Success*

Calibration CRC: 55B4BD57

mmb
ask



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
BILLETER, MICHELLE, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
26417	10/01/2014	10/11/2013
TEST EQUIPMENT NUMBER		
010568		

RESULTS: TIME SAMPLE TAKEN 12:33 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 15 Oct 2013 at 12:48

mmB

MSK

Test Results

Instrument Serial Number 010568

Test # 001965 Subject Test

Test Location 1 Department of
Test Date 11 Oct 2013

Test Location 2 Forensic Science
Test Time 12:27
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETTER
Agency DFS Central Lab

Operator's First Name MICHELLE

Operator's Middle Initial M

Card Serial Number 126417

License Number 26417

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 11 Oct 2013 End Time 12:34

Result Time 12:33

Result Date 11 Oct 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:27

Data Type BLK

Sample Value 0.000

Sample Time 12:28

Data Type CHK

Sample Value 0.097

Sample Time 12:29

Data Type BLK

Sample Value 0.000

Sample Time 12:30

Data Type SUBJ

Sample Value 0.000

Sample Time 12:31

Data Type BLK

Sample Value 0.000

Sample Time 12:32

Data Type SUBJ

Sample Value 0.000

Sample Time 12:33

Data Type BLK

Sample Value 0.000

Sample Time 12:34

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG226201-17

Standard Expiration Date 09/18/2014

Tank Pressure 767

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 4.04 sec

Blow Volume 1844 cc End-of-Blow Time 12:31

Blow Sample Number 2 Blow Duration 4.16 sec

Blow Volume 1795 cc End-of-Blow Time 12:33

Tamper Evident Stamp 23589c05

Test Status Code 0

Test Status Success